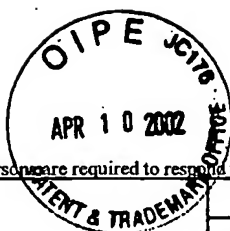


Please type a plus sign (+) inside this box → ☐



PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/045,575
				Filing Date	October 26, 2001
				First Named Inventor	Gunderson et al.
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	7	Attorney Docket Number	A-69235-3/RMS/DCF

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
gm	1	5,494,810		Barany et al.	02/1996	
	2	5,830,711		Barany et al.	11/1998	
	3	5,856,083		Chelsky et al.	01/1999	
	4	5,858,732		Solomon et al.	01/1999	
	5	6,013,456		Akhavan-Tafti	01/2000	
	6	6,051,380		Sosnowski et al.	04/2000	
	7	6,054,564		Barany et al.	04/2000	
	8	6,083,763		Balch	07/2000	
	9	6,110,678		Weisburg et al.	08/2000	
	10	6,172,218	B1	Brenner	01/2001	
	11	6,251,639	B1	Kurn	06/2001	
	12	6,268,148		Barany et al.	07/2001	
	13	5,854,033		Lizardi	12/1998	
	14	5,554,516		Kacian et al.	09/1996	
	15	5,541,311		Dahlberg et al.	07/1996	
	16	5,660,988		Duck et al.	08/1997	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
	17	WO	93/25563	A1	City of Hope	12/1993		
	18	WO	97/31256	A3	Cornell Research Foundation	08/1997		
	19	WO	97/40385	A1	Seul, M.	10/1997		
	20	WO	98/13523	A1	Pyrosequencing AB	04/1998		
	21	WO	00/58516	A2	Whitehead Institute for Biomedical Research	10/2000		

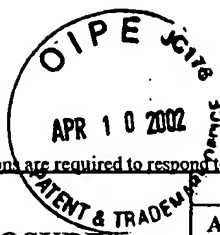
Examiner Signature		Date Considered	2/20/04
--------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐



PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/045,575
Filing Date	October 26, 2001
First Named Inventor	Gunderson et al.
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-69235-3/RMS/DCF

Sheet 2 of 7

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	22	5,474,895		Ishii et al.	12/1995	
	23	5,610,287		Nikiforov	03/1997	
	24	5,763,175		Brenner	06/1998	
	25	5,604,097		Brenner	02/1997	
	26	5,679,524		Nikiforov et al.	10/1997	
	27	5,780,231		Brenner	07/1998	
	28	5,795,714		Cantor et al.	08/1998	
	29	6,027,889		Barany et al.	02/2000	
	30	4,822,746		Walt	4/1989	
	31	5,002,867		Macevicz	3/1991	
	32	5,114,864		Walt	5/1992	
	33	5,105,305		Betzig et al.	4/1992	
	34	5,143,853		Walt	9/1992	
	35	5,028,545		Soini	7/1991	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
	36	WO	99/67641		Illumina Inc.	12/1999		
	37	WO	00/39587		Illumina Inc.	07/2000		
	38	WO	00/47996		Illumina Inc.	08/2000		
	39	WO	00/48000		Illumina Inc.	09/2000		
	40	WO	00/63437		Illumina Inc.	10/2000		
	41	WO	00/71243		Illumina Inc.	11/2000		
	42	WO	00/71995		Illumina Inc.	11/2000		
	43	WO	00/75373		Illumina Inc.	12/2000		

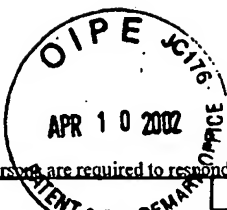
Examiner Signature		Date Considered	2/20/04
-----------------------	--	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐



PTO/SB/8A (08-00)  
Approved for use through 10/31/2002. OMB 0631-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/045,575
Filing Date	October 26, 2001
First Named Inventor	Gunderson et al.
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-69235-3/RMS/DCF

Sheet 3 of 7

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
[Signature]	44	5,244,636		Walt et al.	9/1993	
	45	5,244,813		Walt et al.	9/1993	
	46	5,250,264		Walt et al.	10/1993	
	47	5,252,494		Walt	10/1993	
	48	5,254,477		Walt	10/1993	
	49	5,298,741		Walt et al.	3/1994	
	50	5,320,814		Walt et al.	6/1994	
	51	5,496,997		Pope	3/1996	
	52	5,512,490		Walt et al.	4/1996	
	53	5,573,909		Singer et al.	11/1996	
	54	5,633,972		Walt et al.	5/1997	
	55	4,499,052		Fulwyler	2/1985	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
	56	WO	96/30392	A1	COBA-Geigy AG	10/1999		
	57	WO	97/46704	A1	Lynx Therapeutics, Inc.	12/1997		
	58	WO	98/31836	A1	Hyseq, Inc.	07/1998		
	59	WO	99/64867	A1	Amersham Pharmacia	12/1999		
	60	WO	00/71992	A1	Illumina, Inc.	11/2000		
	61	EP	0 478 319			4/1992		
	62	EP	0 269 764			6/1988		
	63	WO	93/02360			2/1993		

Examiner Signature	[Signature]	Date Considered	2/20/04
--------------------	-------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

1078856

Please type a plus sign (+) inside this box → ☐



PTO/SB/8A (08-00)  
Approved for use through 10/31/2002. OMB 0631-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/045,575
				Filing Date	October 26, 2001
				First Named Inventor	Gunderson et al.
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	4	of	7	Attorney Docket Number	A-69235-3/RMS/DCF

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	64	5,690,894		Pinkel et al.	11/1997	
	65	5,194,300		Cheung	3/1993	
	66	5,132,242		Cheung	7/1992	
	67	4,200,110		Peterson et al.	4/1980	
	68	4,824,789		Yafuso et al.	4/1989	
	69	4,682,895		Costello	7/1987	
	70	4,785,814		Kane	11/1988	
	71	5,518,883		Soini	5/1996	
	72	4,999,306		Yafuso et al.	3/1991	
	73	5,302,509		Cheeseman	4/1994	
	74	5,357,590		Auracher	10/1994	
	75	5,435,724		Goodman et al.	7/1995	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)			
	76	WO	89/11101			11/1989	
	77	WO	97/14028			4/1997	
	78	EP	0 723 146			7/1996	
	79	WO	98/40726			9/1998	
	80	EP	0 392 546			10/1990	
	81	WO	98/53093			11/1998	
	82	WO	98/53300			11/1998	
	83	WO	96/03212			2/1996	
	84	WO	99/60170			11/1999	

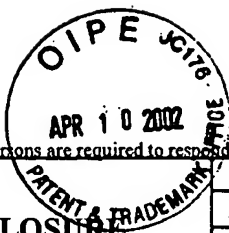
Examiner Signature		Date Considered	2/20/07
--------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐



PTO/SB/8A (08-00)  
Approved for use through 10/31/2002. OMB 0631-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/045,575
Filing Date	October 26, 2001
First Named Inventor	Gunderson et al.
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-69235-3/RMS/DCF

Sheet 5 of 7

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	85	5,481,629		Tabuchi	1/1996	
	86	5,575,849		Honda et al.	11/1996	
	87	5,639,603		Dower et al.	6/1997	
	88	5,656,241		Seifert et al.	8/1997	
	89	5,814,524		Walt	10/1998	
	90	5,863,708		Zanzucchi et al.	1/1999	
	91	6,023,540		Walt et al.	2/2000	
	92	5,494,798		Gerdt et al.	2/1996	
	93	5,565,324		Still et al.	10/1996	
	94	5,516,635		Ekins et al.	5/1996	
	95	5,900,481		Lough et al.	5/1999	
	96	5,888,723		Sutton et al.	3/1999	
	97	5,380,489		Sutton et al.	1/1995	
	98	5,840,256		Demers et al.	11/1998	
	99	5,854,684		Stabile et al.	12/1998	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
	100	WO	98/50782			11/1998		
	101	WO	99/18434			4/1999		
	102	WO	00/13004			3/2000		
	103	WO	00/16101			3/2000		
	104	WO	00/04372			1/2000		
	105	WO	99/67414			12/1999		

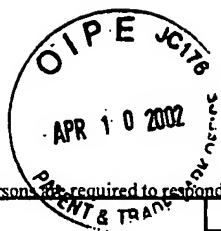
Examiner Signature		Date Considered	2/20/04
-----------------------	--	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐



PTO/SB/8B (08-00)  
Approved for use through 10/31/2002. OMB 0631-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person shall be required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/045,575
		Filing Date	October 26, 2001
		First Named Inventor	Gunderson et al.
		Group Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
Sheet 6	of 7	Attorney Docket Number	A-69235-3/RMS/DCF

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	106	Chen et al., "A Microsphere-Based Assay for Multiplexed Single Nucleotide Polymorphism Analysis Using Single Base Chain Extension," <i>Genome Research</i> , 10(4):549-557 (2000).	
	107	Iannone et al., "Multiplexed Single Nucleotide Polymorphism Genotyping by Oligonucleotide Ligation and Flow Cytometry," <i>Cytometry</i> , 39:131-140 (2000).	
	108	Lyamichiev et al., "Polymorphism identification and quantitative detection of genomic DNA by invasive cleavage of oligonucleotide probes," <i>Nature Biotechnology</i> , 17:292-296 (1999). (added 4/3/01 892 68087-2)	
	109	Metzker et al., "Termination of DNA synthesis by novel 3'-modified-deoxyribonucleoside 5'-triphosphates," <i>Nucleic Acids Research</i> , 22(20):4259-4267 (1994).	
	110	Ronaghi et al., "A Sequencing Method Based on Real-Time Pyrophosphate," <i>Science</i> , 281:363-365 (1998).	
	111	Ferguson et al., "A Fiber-Optic DNA Biosensor Microarray for the Analysis of Gene Expression," <i>Nature Biotechnology</i> , 14:1681-1684 (1996).	
	112	Healey et al., "Improved Fiber-Optic Chemical Sensor for Penicillin," <i>Anal. Chem.</i> 67(24):4471-4476 (1995).	
	113	Healey et al., "Development of a Penicillin Biosensor Using a Single Optical Imaging Fiber," <i>SPIE Proc.</i> 2388:568-573 (1995).	
	114	Michael et al., "Making Sensors out of Disarray: Optical Sensor Microarrays," <i>Proc. SPIE</i> , 3270: 34-41 (1998).	
	115	Michael et al., "Randomly Ordered Addressable High-Density Optical Sensor Arrays," <i>Anal. Chem.</i> 70(7): 1242-1248 (April 1998).	
	116	Michael et al., "Fabrication of Micro- and Nanostructures Using Optical Imaging Fibers and there Use as Chemical Sensors," <i>Proc. 3rd Intl. Symp., Microstructures and Microfabricated Systems</i> , ed. P.J. Hesketh, et al., v. 97-5, <i>Electrochem. Soc.</i> , 152-157 (Aug. 1997).	
	117	Pantano et al., "Ordered Nanowell Arrays," <i>Chem. Mater.</i> , 8(12): 2832-2835 (1996).	
	118	Walt, "Fiber-Optic Sensors for Continuous Clinical Monitoring," <i>Proc. IEEE</i> , 80(6): 903-911 (1992).	
	119	Shoemaker et al., "Quantitative phenotypic analysis of yeast deletion mutants using a highly parallel molecular bar-coding strategy," <i>Nature Genetics</i> , 14:450-456 (1996).	

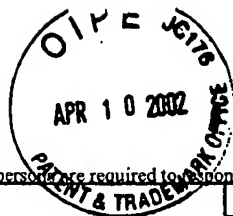
Examiner Signature	Date Considered 2/20/04
--------------------	-------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐



PTO/SB/8B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/045,575
Filing Date	October 26, 2001
First Named Inventor	Gunderson et al.
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-69235-3/RMS/DCF

Sheet 7 of 7

## **OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	120	Anonymous, "Fluorescent Microspheres," Tech. Note 19, Bangs Laboratories, (Fishers, IN) February 1997.	
	121	Anonymous, "Microsphere Selection Guide," Bangs Laboratories, (Fisher, IN) September 1998.	
	122	Bangs, L.B., "Immunological Applications of Microspheres," The Latex Course, Bangs Laboratories (Carmel, IN) April 1996.	
	123	Peterson, J. et al., "Fiber Optic pH Probe for Physiological Use," Anal. Chem., 52:864-869 (1980).	
	124	Pope, E. "Fiber Optic Chemical Microsensors Employing Optically Active Silica Microspheres," SPIE, 2388:245-256 (1995).	
	125	Strachan et al., "A Rapid General Method for the Identification of PCR Products Using a Fibre-Optic Biosensor and its Application to the Detection of Listeria," Letters in Applied Microbiology, 21:5-9 (1995).	
	126	Abel et al., "Fiber-Optic Evanescent Wave Biosensor for the Detection of Oligonucleotides," Anal. Chem. 68:2905-2912 (1996).	
	127	Piunno et al., "Fiber-Optic DNA Sensor for Fluorometric Nucleic Acid Determination," Anal. Chem., 67:2635-2643 (1995).	
	128	Drmanac, R. et al., "Sequencing by Oligonucleotide Hybridization: A Promising Framework in Decoding of the Genome Program," The First International Conference on Electrophoresis, Supercomputing and the Human Genome, Proceeding of the April 10-13, 1990 Conference at Florida State University. Ed. C. Cantor and H. Lim.	
	129	Drmanac, R. et al., "Prospects for a Miniaturized, Simplified and Frugal Human Genome Project," Scientia Yugoslavica, 16(1-2):97-107 (1990).	
	130	Drmanac, R. et al., "Sequencing by Hybridization (SBH) with Oligonucleotide Probes as an Integral Approach for the Analysis of Complex Genomes," International Journal of Genome Research, 1(1):59-79 (1992).	
	131	Drmanac, R. et al., "Sequencing by Hybridization," Automated DNA Sequencing and Analysis, ed. M. Adams, C. Fields and J. Venter. (1994).	
	132	Barnard et al., "A Fibre-Optic Chemical Sensor with Discrete Sensing Sites," Nature, 353:338-340 (September 1991).	
	133	Fuh et al., "Single Fibre Optic Fluorescence pH Probe," Analyst, 112:1159-1163 (1987).	
	134	Magnani et al., "In-Vivo Biomedical Monitoring by Fiber-Optic Systems," Journal of Lightwave Technology, 13(7):1396-1406 (1995).	
	135	Healey et al., "Fiberoptic DNA Sensor Array Capable of Detecting Point Mutations," Analytical Biochemistry, 251:270-279 (1997).	
	136	Hirschfeld et al., "Laser-Fiber-Optic 'Optrode' for Real Time In Vivo Blood Carbon Dioxide Level Monitoring," Journal of Lightwave Technology, LT-5(7):1027-1033 (1987).	
	137	Peterson et al., "Fiber-Optic Sensors for Biomedical Applications," Science, 13:123-127 (1984).	
	138	Czarnik, "Illuminating the SNP genomic code," Modern Drug Discovery, 1(2):49-55 (1998).	
	139	Walt, "Fiber Optic Imaging Sensors", Acc. Chem. Res. 31(5):267-278 (1998).	

Examiner Signature		Date Considered	2/20/04
--------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.